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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/101,518A

DATE: 04/04/2002

TIME: 15:46:42

Input Set : A:\PF218US substitute sequence listing.txt
 Output Set: N:\CRF3\04042002\I101518A.raw

3 <110> APPLICANT: Li, Yi
 5 <120> TITLE OF INVENTION: Human G-Protein Chemokine Receptor HSATU68
 7 <130> FILE REFERENCE: PF218US
 9 <140> CURRENT APPLICATION NUMBER: US 09/101,518A
 C--> 10 <141> CURRENT FILING DATE: 2002-03-18
 12 <150> PRIOR APPLICATION NUMBER: PCT/US96/00499
 13 <151> PRIOR FILING DATE: 1996-01-11
 15 <160> NUMBER OF SEQ ID NOS: 9
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 1876
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Homo sapiens
 24 <220> FEATURE:
 25 <221> NAME/KEY: CDS
 26 <222> LOCATION: (173)..(1420)
 27 <223> OTHER INFORMATION:
 30 <400> SEQUENCE: 1
 31 cctgaaggga gagcaggagg agagaggaca gtggccagag agggctctgg gcactggagg 60
 33 gacgctcttc ttcctgccc ggggtccctg ggccgatggg atcacgcaga agaatgcgag 120
 35 agaagcagcc tttgagaagg gaagtcacta tcccagagcc cagactgagc gg atg gag 178
 36 Met Glu
 37 1
 39 ttg agg aag tac ggc cct gga aga ctg gcg ggg aca gtt ata gga gga 226
 40 Leu Arg Lys Tyr Gly Pro Gly Arg Leu Ala Gly Thr Val Ile Gly Gly
 41 5 10 15
 43 gct gct cag agt aaa tca cag act aaa tca gac tca atc aca aaa gag 274
 44 Ala Ala Gln Ser Lys Ser Gln Thr Lys Ser Asp Ser Ile Thr Lys Glu
 45 20 25 30
 47 ttc ctg cca ggc ctt tac aca gcc cct tcc tcc ccg ttc ccg ccc tca 322
 48 Phe Leu Pro Gly Leu Tyr Thr Ala Pro Ser Ser Pro Phe Pro Pro Ser
 49 35 40 45 50
 51 cag gtg agt gac cac caa gtg cta aat gac gcc gag gtt gcc gcc ctc 370
 52 Gln Val Ser Asp His Gln Val Leu Asn Asp Ala Glu Val Ala Ala Leu
 53 55 60 65
 55 ctg gag aac ttc agc tct tcc tat gac tat gga gaa aac gag agt gac 418
 56 Leu Glu Asn Phe Ser Ser Tyr Asp Tyr Gly Glu Asn Glu Ser Asp
 57 70 75 80
 59 tcg tgc tgt acc tcc ccg ccc tgc cca cag gac ttc agc ctg aac ttc 466
 60 Ser Cys Cys Thr Ser Pro Pro Cys Pro Gln Asp Phe Ser Leu Asn Phe
 61 85 90 95
 63 gac cgg gcc ttc ctg cca gcc ctc tac agc ctc ctc ttt ctg ctg ggg 514
 64 Asp Arg Ala Phe Leu Pro Ala Leu Tyr Ser Leu Leu Phe Leu Leu Gly

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65	100	105	110														
67	ctg	ctg	ggc	aac	ggc	gcf	gtg	gca	gcc	gtg	ctg	ctg	agc	cgf	cgf	aca	562
68	Leu	Leu	Gly	Asn	Gly	Ala	Val	Ala	Ala	Val	Leu	Leu	Ser	Arg	Arg	Thr	
69	115						120			125					130		
71	gcc	ctg	agc	agc	acc	gac	acc	ttc	ctg	ctc	cac	cta	gct	gta	gca	gac	610
72	Ala	Leu	Ser	Ser	Thr	Asp	Thr	Phe	Leu	Leu	His	Leu	Ala	Val	Ala	Asp	
73							135			140					145		
75	acg	ctg	ctg	gtg	ctg	aca	ctg	ccg	ctc	tgg	gca	gtg	gac	gct	gcc	gtc	658
76	Thr	Leu	Leu	Val	Leu	Thr	Leu	Pro	Leu	Trp	Ala	Val	Asp	Ala	Ala	Val	
77							150			155					160		
79	cag	tgg	gtc	ttt	ggc	tct	ggc	ctc	tgc	aaa	gtg	gca	ggt	gcc	ctc	tcc	706
80	Gln	Trp	Val	Phe	Gly	Ser	Gly	Leu	Cys	Lys	Val	Ala	Gly	Ala	Leu	Phe	
81							165			170					175		
83	aac	atc	aac	ttc	tac	gca	gga	gcc	ctc	ctg	ctg	gcc	tgc	atc	agc	ttt	754
84	Asn	Ile	Asn	Phe	Tyr	Ala	Gly	Ala	Leu	Leu	Ala	Cys	Ile	Ser	Phe		
85							180			185					190		
87	gac	cgc	tac	ctg	aac	ata	gtt	cat	gcc	acc	cag	ctc	tac	cgc	cgg	ggg	802
88	Asp	Arg	Tyr	Leu	Asn	Ile	Val	His	Ala	Thr	Gln	Leu	Tyr	Arg	Arg	Gly	
89	195						200			205					210		
91	ccc	ccg	gcc	cgc	gtg	acc	ctc	acc	tgc	ctg	gct	gtc	tgg	ggg	ctc	tgc	850
92	Pro	Pro	Ala	Arg	Val	Thr	Leu	Thr	Cys	Leu	Ala	Val	Trp	Gly	Leu	Cys	
93							215			220					225		
95	ctg	ctt	tcc	gcc	ctc	cca	gac	ttc	atc	ttc	ctg	tcg	gcc	cac	cac	gac	898
96	Leu	Leu	Phe	Ala	Leu	Pro	Asp	Phe	Ile	Phe	Leu	Ser	Ala	His	His	Asp	
97							230			235					240		
99	gag	cgc	ctc	aac	gcc	acc	cac	tgc	caa	tac	aac	ttc	cca	cag	gtg	ggc	946
100	Glu	Arg	Leu	Asn	Ala	Thr	His	Cys	Gln	Tyr	Asn	Phe	Pro	Gln	Val	Gly	
101							245			250					255		
103	cgc	acg	gct	ctg	cgg	gtg	ctg	cag	ctg	gtg	gct	ggc	ttt	ctg	ctg	ccc	994
104	Arg	Thr	Ala	Leu	Arg	Val	Leu	Gln	Leu	Val	Ala	Gly	Phe	Leu	Leu	Pro	
105							260			265					270		
107	ctg	ctg	gtc	atg	gcc	tac	tgc	tat	gcc	cac	atc	ctg	gcc	gtg	ctg	ctg	1042
108	Leu	Leu	Val	Met	Ala	Tyr	Cys	Tyr	Ala	His	Ile	Leu	Ala	Val	Leu	Leu	
109	275						280			285					290		
111	gtt	tcc	agg	ggc	cag	cgf	cgf	ctg	cgf	ggc	atg	cgf	ctg	gtg	gtg	gtg	1090
112	Val	Ser	Arg	Gly	Gln	Arg	Arg	Leu	Arg	Ala	Met	Arg	Leu	Val	Val	Val	
113							295			300					305		
115	gtc	gtg	gtg	gcc	ttt	gcc	ctc	tgc	tgg	acc	ccc	tat	cac	ctg	gtg	gtg	1138
116	Val	Val	Val	Ala	Phe	Ala	Leu	Cys	Trp	Thr	Pro	Tyr	His	Leu	Val	Val	
117							310			315					320		
119	ctg	gtg	gac	atc	ctc	atg	gac	ctg	ggc	gct	ttg	gcc	cgc	aac	tgt	ggc	1186
120	Leu	Val	Asp	Ile	Leu	Met	Asp	Leu	Gly	Ala	Leu	Ala	Arg	Asn	Cys	Gly	
121							325			330					335		
123	cga	gaa	agc	agg	gta	gac	gtg	gcc	aag	tcg	gtc	acc	tca	ggc	ctg	ggc	1234
124	Arg	Glu	Ser	Arg	Val	Asp	Val	Ala	Lys	Ser	Val	Thr	Ser	Gly	Leu	Gly	
125							340			345					350		
127	tac	atg	cac	tgc	tgc	ctc	aac	ccg	ctg	ctc	tat	gcc	ttt	gta	ggg	gtc	1282
128	Tyr	Met	His	Cys	Cys	Leu	Asn	Pro	Leu	Leu	Tyr	Ala	Phe	Val	Gly	Val	
129							355			360					365		
															370		

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131 aag ttc cgg gag cgg atg tgg atg ctg ctc ttg cgc ctg ggc tgc ccc	1330
132 Lys Phe Arg Glu Arg Met Trp Met Leu Leu Leu Arg Leu Gly Cys Pro	
133 375 380 385	
135 aac cag aga ggg ctc cag agg cag cca tcg tct tcc cgc cgg gat tca	1378
136 Asn Gln Arg Gly Leu Gln Arg Gln Pro Ser Ser Ser Arg Arg Asp Ser	
137 390 395 400	
139 tcc tgg tct gag acc tca gag gcc tcc tac tcg ggc ttg tga	1420
140 Ser Trp Ser Glu Thr Ser Glu Ala Ser Tyr Ser Gly Leu	
141 405 410 415	
143 ggccggaatc cgggtcccc tttcgccac agtctgactt ccccgcatc caggctcctc	1480
145 cctccctctg cggctctgg ctctcccaa tatacctcgct cccggactc actggcagcc	1540
147 ccagcaccac caggtctccc gggaaagccac cctcccaagct ctgaggactg caccattgtct	1600
149 gtccttagc tgccaaagccc catcctgccc cccgagggtgg ctgcctggag ccccaactgccc	1660
151 cttctcatt ggaaactaaa atttcatctt ccccaagtgc ggggagttaca aggcattggcg	1720
153 tagagggtgc tgccccatga agccacagcc caggcctcca gctcagcagt gactgtggcc	1780
155 atggtccccca agacctctat atttggtctt ttatttttat gtctaaaatc ctgcttaaaaa	1840
157 ctttcaata aacaagatcg tcaggaaaaaaa aaaaaaa	1876
160 <210> SEQ ID NO: 2	
161 <211> LENGTH: 415	
162 <212> TYPE: PRT	
163 <213> ORGANISM: Homo sapiens	
165 <400> SEQUENCE: 2	
167 Met Glu Leu Arg Lys Tyr Gly Pro Gly Arg Leu Ala Gly Thr Val Ile	
168 1 5 10 15	
171 Gly Gly Ala Ala Gln Ser Lys Ser Gln Thr Lys Ser Asp Ser Ile Thr	
172 20 25 30	
175 Lys Glu Phe Leu Pro Gly Leu Tyr Thr Ala Pro Ser Ser Pro Phe Pro	
176 35 40 45	
179 Pro Ser Gln Val Ser Asp His Gln Val Leu Asn Asp Ala Glu Val Ala	
180 50 55 60	
183 Ala Leu Leu Glu Asn Phe Ser Ser Tyr Asp Tyr Gly Glu Asn Glu	
184 65 70 75 80	
187 Ser Asp Ser Cys Cys Thr Ser Pro Pro Cys Pro Gln Asp Phe Ser Leu	
188 85 90 95	
191 Asn Phe Asp Arg Ala Phe Leu Pro Ala Leu Tyr Ser Leu Leu Phe Leu	
192 100 105 110	
195 Leu Gly Leu Leu Gly Asn Gly Ala Val Ala Val Leu Leu Ser Arg	
196 115 120 125	
199 Arg Thr Ala Leu Ser Ser Thr Asp Thr Phe Leu Leu His Leu Ala Val	
200 130 135 140	
203 Ala Asp Thr Leu Leu Val Leu Thr Leu Pro Leu Trp Ala Val Asp Ala	
204 145 150 155 160	
207 Ala Val Gln Trp Val Phe Gly Ser Gly Leu Cys Lys Val Ala Gly Ala	
208 165 170 175	
211 Leu Phe Asn Ile Asn Phe Tyr Ala Gly Ala Leu Leu Ala Cys Ile	
212 180 185 190	
215 Ser Phe Asp Arg Tyr Leu Asn Ile Val His Ala Thr Gln Leu Tyr Arg	
216 195 200 205	
219 Arg Gly Pro Pro Ala Arg Val Thr Leu Thr Cys Leu Ala Val Trp Gly	

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220	210	215	220													
223	Leu	Cys	Leu	Leu	Phe	Ala	Leu	Pro	Asp	Phe	Ile	Phe	Leu	Ser	Ala	His
224	225			230			235				240					
227	His	Asp	Glu	Arg	Leu	Asn	Ala	Thr	His	Cys	Gln	Tyr	Asn	Phe	Pro	Gln
228							245			250				255		
231	Val	Gly	Arg	Thr	Ala	Leu	Arg	Val	Leu	Gln	Leu	Val	Ala	Gly	Phe	Leu
232							260			265				270		
235	Leu	Pro	Leu	Leu	Val	Met	Ala	Tyr	Cys	Tyr	Ala	His	Ile	Leu	Ala	Val
236							275			280				285		
239	Leu	Leu	Val	Ser	Arg	Gly	Gln	Arg	Arg	Leu	Arg	Ala	Met	Arg	Leu	Val
240							290			295				300		
243	Val	Val	Val	Val	Ala	Phe	Ala	Leu	Cys	Trp	Thr	Pro	Tyr	His	Leu	
244	305					310				315				320		
247	Val	Val	Leu	Val	Asp	Ile	Leu	Met	Asp	Leu	Gly	Ala	Leu	Ala	Arg	Asn
248						325				330				335		
251	Cys	Gly	Arg	Glu	Ser	Arg	Val	Asp	Val	Ala	Lys	Ser	Val	Thr	Ser	Gly
252						340				345				350		
255	Leu	Gly	Tyr	Met	His	Cys	Cys	Leu	Asn	Pro	Leu	Leu	Tyr	Ala	Phe	Val
256						355				360				365		
259	Gly	Val	Lys	Phe	Arg	Glu	Arg	Met	Trp	Met	Leu	Leu	Leu	Arg	Leu	Gly
260						370				375				380		
263	Cys	Pro	Asn	Gln	Arg	Gly	Leu	Gln	Arg	Gln	Pro	Ser	Ser	Ser	Arg	Arg
264						385				390				395		400
267	Asp	Ser	Ser	Trp	Ser	Glu	Thr	Ser	Glu	Ala	Ser	Tyr	Ser	Gly	Leu	
268						405				410				415		
271	<210> SEQ ID NO: 3															
272	<211> LENGTH: 29															
273	<212> TYPE: DNA															
274	<213> ORGANISM: Artificial sequence															
276	<220> FEATURE:															
277	<223> OTHER INFORMATION: Contains a BamHI restriction enzyme site															
279	<400> SEQUENCE: 3															
280	cgggatccctc catggagttg aggaagtac															29
283	<210> SEQ ID NO: 4															
284	<211> LENGTH: 30															
285	<212> TYPE: DNA															
286	<213> ORGANISM: Artificial sequence															
288	<220> FEATURE:															
289	<223> OTHER INFORMATION: Contains complementary sequences to a BamHI site															
291	<400> SEQUENCE: 4															
292	ggcggatccc gctcacaagc ccgagtagga															30
295	<210> SEQ ID NO: 5															
296	<211> LENGTH: 34															
297	<212> TYPE: DNA															
298	<213> ORGANISM: Artificial sequence															
300	<220> FEATURE:															
301	<223> OTHER INFORMATION: Contains a HindIII site															
303	<400> SEQUENCE: 5															
304	gtccaagctt gccaccatgg agttgaggaa gtac															34

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307 <210> SEQ ID NO: 6
308 <211> LENGTH: 57
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Contains complementary sequences to a XhoI site, translation
stop
314 codon, and an HA tag
316 <400> SEQUENCE: 6
317 ctgctcgagt caagcgtagt ctgggacgtc gtagggtagt cacaagcccc agtagga 57
320 <210> SEQ ID NO: 7
321 <211> LENGTH: 31
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Contains a BamHI restriction enzyme site followed by 5
nucleotide
327 s resembling an efficient signal for the initiation of translatio
328 n in eukaryotic cells (J. Mol. Biol. 1987, 196, 947-950, Kozak, M
329 .)
331 <400> SEQUENCE: 7
332 cgggatccct cccatggagt tgaggaagta c 31
335 <210> SEQ ID NO: 8
336 <211> LENGTH: 29
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Contains the cleavage site for the restriction endonuclease
BamHI
343 <400> SEQUENCE: 8
344 cgggatcccg ctcacaagcc cgagtagga 29
347 <210> SEQ ID NO: 9
348 <211> LENGTH: 353
349 <212> TYPE: PRT
350 <213> ORGANISM: Homo sapiens
352 <400> SEQUENCE: 9
354 Glu Ser Asp Ser Phe Glu Asp Phe Trp Lys Gly Glu Asp Leu Ser Asn
355 1 5 10 15
358 Tyr Ser Tyr Ser Ser Thr Leu Pro Pro Phe Leu Leu Asp Ala Ala Pro
359 20 25 30
362 Cys Glu Pro Glu Ser Leu Glu Ile Asn Lys Tyr Phe Val Val Ile Ile
363 35 40 45
366 Tyr Ala Leu Val Phe Leu Leu Ser Leu Leu Gly Asn Ser Leu Val Met
367 50 55 60
370 Leu Val Ile Leu Tyr Ser Arg Val Gly Arg Ser Val Thr Asp Val Tyr
371 65 70 75 80
374 Leu Leu Asn Leu Ala Leu Ala Asp Leu Leu Phe Ala Leu Thr Leu Pro
375 85 90 95
378 Ile Trp Ala Ala Ser Lys Val Asn Gly Trp Ile Phe Gly Thr Phe Leu
379 100 105 110
382 Cys Lys Val Val Ser Leu Leu Lys Glu Val Asn Phe Tyr Ser Gly Ile
383 115 120 125

VERIFICATION SUMMARY DATE: 04/04/2002
PATENT APPLICATION: US/09/101,518A TIME: 15:46:43

Input Set : A:\PF218US substitute sequence listing.txt
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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date